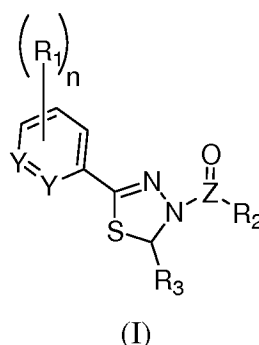


Amendments to the Claims

The listing of claims will replace all prior versions, and listings of claims in the application:

Listing of claims:

Claim 1. (Currently amended) A compound of Formula I:



in which

n is selected from 0, 1, 2 and 3;

Z is selected from C and S(O); each

Y is independently selected from $-\text{CR}_4=$ and $-\text{N}=\text{}$;

wherein R_4 is selected from hydrogen, cyano, hydroxyl, C_{1-6} alkyl, C_{1-6} alkoxy, halo-substituted- C_{1-6} alkyl and halo-substituted- C_{1-6} alkoxy;

R_1 is selected from halo, cyano, hydroxyl, C_{1-6} alkyl, C_{1-6} alkoxy, halo-substituted- C_{1-6} alkyl, halo-substituted- C_{1-6} alkoxy and $-\text{C}(\text{O})\text{OR}_4$; wherein R_4 is ~~as described above~~ selected from hydrogen, cyano, hydroxyl, C_{1-6} alkyl, C_{1-6} alkoxy, halo-substituted- C_{1-6} alkyl and halo-substituted- C_{1-6} alkoxy;

R_2 is selected from C_{6-10} aryl, C_{5-10} ~~heteroaryl~~, and C_{3-12} cycloalkyl ~~and~~ C_{3-12} ~~heterocycloalkyl~~; wherein any aryl, ~~heteroaryl~~, or cycloalkyl ~~or heterocycloalkyl~~ of R_2 is optionally substituted with 1 to 5 radicals independently selected from halo, hydroxy, cyano, nitro, C_{1-6} alkyl, C_{1-6} alkoxy, halo-substituted- C_{1-6} alkyl, halo-substituted- C_{1-6} alkoxy, $-\text{C}(\text{O})\text{NR}_5\text{R}_5$, $-\text{OR}_5$, $-\text{OC}(\text{O})\text{R}_5$, $-\text{NR}_5\text{R}_6$, $-\text{C}(\text{O})\text{R}_5$ and $-\text{NR}_5\text{C}(\text{O})\text{R}_5$;

wherein:

R₅ and R₆ are independently selected from hydrogen, C₁₋₆alkyl, C₁₋₆alkoxy, halo-substituted-C₁₋₆alkyl, halo-substituted-C₁₋₆alkoxy, C₆₋₁₀aryl-C₀₋₄alkyl, ~~C₃₋₈heteroaryl-C₀₋₄alkyl~~, and C₃₋₁₂cycloalkyl-C₀₋₄alkyl ~~and C₃₋₈heterocycloalkyl-C₀₋₄alkyl~~; or R₅ and R₆ together with the nitrogen atom to which R₅ and R₆ are attached form C₅₋₁₀heteroaryl or ~~C₃₋₈heterocycloalkyl~~; wherein any aryl, ~~heteroaryl~~, or cycloalkyl ~~or heterocycloalkyl~~ of R₅ or the combination of R₅ and R₆ is optionally substituted with 1 to 4 radicals independently selected from halo, hydroxy, cyano, nitro, C₁₋₆alkyl, C₁₋₆alkoxy, halo-substituted-C₁₋₆alkyl and halo-substituted-C₁₋₆alkoxy;

R₃ is selected from C₆₋₁₀aryl, ~~C₅₋₁₀heteroaryl~~, and C₃₋₁₂cycloalkyl ~~and C₃₋₈heterocycloalkyl~~; wherein any aryl, ~~heteroaryl~~, or cycloalkyl ~~or heterocycloalkyl~~ of R₃ is substituted with 1 to 5 radicals independently selected from halo, C₁₋₆alkoxy, halo-substituted-C₁₋₆alkyl, halo-substituted-C₁₋₆alkoxy, -OXR₇, -OXC(O)NR₇R₈, -OXC(O)NR₇XC(O)OR₈, -OXC(O)NR₇XOR₈, -OXC(O)NR₇XNR₇R₈, -OXC(O)NR₇XS(O)₀₋₂R₈, -OXC(O)NR₇XNR₇C(O)R₈, -OXC(O)NR₇XC(O)XC(O)OR₈, -OXC(O)NR₇R₉, -OXC(O)OR₇, -OXOR₇, -OXR₉, -XR₉, -OXC(O)R₉, -OXS(O)₀₋₂R₉ and -OXC(O)NR₇CR₇[C(O)R₈]₂;

wherein:

X is selected from a bond and C₁₋₆alkylene wherein any methylene of X can optionally be replaced with a divalent radical selected from C(O), NR₇, S(O)₂ and O;

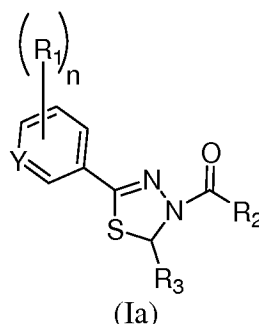
R₇ and R₈ are independently selected from hydrogen, cyano, C₁₋₆alkyl, halo-substituted-C₁₋₆alkyl, C₂₋₆alkenyl and C₃₋₁₂cycloalkyl-C₀₋₄alkyl;

R₉ is selected from C₆₋₁₀aryl-C₀₋₄alkyl, ~~C₅₋₁₀heteroaryl-C₀₋₄alkyl~~, and C₃₋₁₂cycloalkyl-C₀₋₄alkyl ~~and C₃₋₈heterocycloalkyl-C₀₋₄alkyl~~; wherein any alkyl of R₉ can have a hydrogen replaced with -C(O)OR₁₀; and any aryl, ~~heteroaryl~~, or cycloalkyl ~~or heterocycloalkyl~~ of R₉ is optionally substituted with 1 to 4 radicals independently selected from halo, C₁₋₆alkyl, C₃₋₁₂cycloalkyl, halo-substituted-C₁₋₆alkyl, C₁₋₆alkoxy,

halo-substituted-C₁₋₆alkoxy, -XC(O)OR₁₀, -XC(O)R₁₀, -
XC(O)NR₁₀R₁₀, -XS(O)₀₋₂NR₁₀R₁₀ and -XS(O)₀₋₂R₁₀;
wherein:

R₁₀ is independently selected from hydrogen and C₁₋₆alkyl;
and the pharmaceutically acceptable salts, hydrates, solvates and isomers thereof.

Claim 2. (Currently amended) The compound of claim 1 of Formula Ia:



in which

n is selected from 1, 2 and 3;

Y is selected from -CH= and -N=;

R₁ is selected from halo, C₁₋₆alkyl, and -C(O)OR₄; wherein R₄ is selected from hydrogen and C₁₋₆alkyl;

R₂ is selected from C₆₋₁₀aryl, ~~C₅₋₁₀heteroaryl~~, and C₃₋₁₂cycloalkyl ~~and C₃₋₁₂heterocycloalkyl~~; wherein any aryl, ~~heteroaryl~~, or cycloalkyl or ~~heterocycloalkyl~~ of R₂ is optionally substituted with 1 to 4 radicals independently selected from halo, hydroxy, C₁₋₆alkyl, halo-substituted-C₁₋₆alkyl and -OC(O)R₅; wherein R₅ is selected from hydrogen and C₁₋₆alkyl; and

R₃ is selected from C₆₋₁₀aryl, ~~C₅₋₁₀heteroaryl~~, and C₃₋₁₂cycloalkyl ~~and C₃₋₁₂heterocycloalkyl~~; wherein any aryl, ~~heteroaryl~~, or cycloalkyl or ~~heterocycloalkyl~~ of R₃ is substituted with 1 to 5 radicals independently selected from halo, hydroxyl, C₁₋₆alkoxy, halo-substituted-C₁₋₆alkyl, halo-substituted-C₁₋₆alkoxy, -OXR₇, -OXC(O)NR₇R₈, -OXC(O)NR₇XC(O)OR₈, -OXC(O)NR₇XOR₈, -OXC(O)NR₇XNR₇R₈, -OXC(O)NR₇XS(O)₀₋₂R₈, -OXC(O)NR₇XNR₇C(O)R₈,

-OXC(O)NR₇XC(O)XC(O)OR₈, -OXC(O)NR₇R₉, -OXC(O)OR₇, -OXOR₇, -OXR₉,
-XR₉, -OXC(O)R₉ and -OXC(O)NR₇CR₇[C(O)R₈]₂;

wherein

X is selected from a bond and C₁₋₆alkylene;

R₇ and R₈ are independently selected from hydrogen, cyano, C₁₋₆alkyl,
halo-substituted-C₁₋₆alkyl, C₂₋₆alkenyl and C₃₋₁₂cycloalkyl-C₀₋₄alkyl;

R₉ is selected from C₆₋₁₀aryl-C₀₋₄alkyl, ~~C₅₋₁₀heteroaryl-C₀₋₄alkyl~~, C₅₋₁₀heteroaryl-C₀₋₄alkyl, and
C₃₋₁₂cycloalkyl-C₀₋₄alkyl ~~and C₃₋₈heterocycloalkyl-C₀₋₄alkyl~~; wherein
any alkyl of R₉ can have a hydrogen replaced with -C(O)OR₁₀; and
any aryl, ~~heteroaryl~~, or cycloalkyl ~~or heterocycloalkyl~~ of R₉ is
optionally substituted with 1 to 4 radicals independently selected from
halo, C₁₋₆alkyl, C₃₋₁₂cycloalkyl, halo-substituted-C₁₋₆alkyl, C₁₋₆alkoxy,
halo-substituted-C₁₋₆alkoxy, -XC(O)OR₁₀, -XC(O)R₁₀, -
CR₁₀(NR₁₀R₁₀)=NOR₁₀, -XC(O)NR₁₀R₁₀, -XS(O)₀₋₂NR₁₀R₁₀ and -
XS(O)₀₋₂R₁₀;

wherein

R₁₀ is independently selected from hydrogen and C₁₋₆alkyl.

Claim 3. (Currently amended) The compound of claim 2 in which

R₁ is selected from fluoro, chloro, methyl and -C(O)OCH₃; and

R₂ is selected from phenyl, cyclohexyl, cyclopentyl, ~~pyrrolyl, pyrazolyl, and~~ naphthyl,
~~benzo[1,3]dioxolyl, thienyl, furanyl and pyridinyl~~; wherein any aryl, ~~heteroaryl~~ or
cycloalkyl of R₂ is optionally substituted with 1 to 4 radicals independently selected
from fluoro, chloro, bromo, hydroxy, methyl, ethyl, propyl, t-butyl, amino, dimethyl-
amino, methoxy, trifluoromethyl, trifluoromethoxy and -OC(O)CH₃.

Claim 4. (Currently amended) The compound of claim 3 in which R₃ is ~~selected from~~ phenyl,
~~benzo[1,3]dioxolyl, pyridinyl, 2,2-difluoro-benzo[1,3]dioxol-5-yl and benzooxazolyl~~; wherein
~~any aryl or heteroaryl~~ of R₃ is substituted with 1 to 5 radicals independently selected from fluoro,
chloro, bromo, methoxy, hydroxyl, difluoromethoxy, -OCH₂C(O)NH₂, -OCH₂C(O)OCH₃,
-OCH₂C(O)NHCH₃, -OCH₂C(O)N(CH₃)₂, -R₉, -OR₉, -OCH₂R₉, -OCH₂C(O)R₉,

-OCH₂C(O)NHR₉, -OCH₂C(O)N(CH₃)R₉, -OCH₂C(O)NHCH₂R₉, -OCH₂CN, -OCH₂C₂H₃,
-OCH₂C₂H₄, -O(CH₂)₂OH, -OCH₂C(O)NH(CH₂)₂C(O)OC₂H₅, -OCH₂C(O)NH(CH₂)₂CH₂F,
-OCH₂C(O)NHCH₂CH₂F, -OCH₂C(O)NH(CH₂)₂C(O)OH,
-OCH₂C(O)NHCH(CH₂R₉)C(O)OC₂H₅, -OCH₂C(O)NHC(O)(CH₂)₂C(O)OCH₃,
-OCH₂C(O)NH(CH₂)₂NHC(O)CH₃, -OCH₂C(O)NHCH₂C(O)C₂H₅,
-OCH₂C(O)NH(CH₂)₂C(O)OC₄H₉, -OCH₂C(O)NHCH₂C(O)OC₂H₅,
-OCH₂C(O)NHCH[C(O)OC₂H₅]₂, -S(O)₂CH₃, -OCH₂C(O)NHCH₂CF₃,
-OCH₂C(O)NHCH₂C(O)(CH₂)₂C(O)OCH₃, -OCH₂C(O)N(CH₃)CH₂C(O)OCH₃,
-OCH₂C(O)NH(CH₂)₃OC₂H₅, -OCH₂C(O)NH(CH₂)₃OCH(CH₃)₂, -OCH₂C(O)NH(CH₂)₂SCH₃,
-OCH₂C(O)NHCH₂CH(CH₃)₂, -OCH₂C(O)NHCH(CH₃)CH₂OH,
-OCH₂C(O)NHCH₂CH(CH₃)C₂H₅, -OCH₂C(O)NHCH(CH₃)C(O)OC₂H₅,
-OCH₂C(O)NHCH₂CH(CH₃)₂ and -OCH₂C(O)(CH₂)₃OCH(CH₃)₂;

wherein

R₉ is phenyl, cyclopropyl-methyl, ~~isoxazolyl, benzthiazolyl, furanyl, furanyl-~~
~~methyl, tetrahydro-furanyl, pyridinyl, 4-oxo-4,5-dihydro-thiazol-2-yl,~~
~~pyrazolyl, isothiazolyl, 1,3,4-thiadiazolyl, thiazolyl, phenethyl, morpholino,~~
~~morpholino-propyl, isoxazolyl-methyl, pyrimidinyl, tetrahydro-pyranyl, 2-~~
~~oxo-2,3-dihydro-pyrimidin-4-yl, piperazinyl, pyrrolyl, piperidinyl,~~
~~pyrazinyl, imidazolyl, imidazolyl-propyl, benzo[1,3]dioxolyl,~~
~~benzo[1,3]dioxolyl-propyl, 2-oxo-pyrrolidin-1-yl and 2-oxo-pyrrolidin-1-~~
~~yl-propyl~~; wherein any alkyl of R₉ can have a hydrogen replaced with -
C(O)OC₂H₅; wherein any aryl, ~~heteroaryl or heterocycloalkyl~~ of R₉ is
optionally substituted with 1 to 4 radicals independently selected from
methyl, ethyl, cyclopropyl, methoxy, trifluoromethyl, -OC(O)CH₃, -
COOH, -S(O)₂NH₂, -CH(NH₂)=NOH, -C(O)OC₂H₅, -CH₂C(O)OH, -
CH₂C(O)OC₂H₅, -CH₂C(O)OCH₃, -C(O)OCH₃, -C(O)NH₂, -C(O)NHCH₃
and -C(O)CH₃.

Claim 5. (Original) A pharmaceutical composition comprising a therapeutically effective amount of a compound of Claim 1 in combination with a pharmaceutically acceptable excipient.

Claim 6. (Withdrawn) A method for treating a disease or disorder in an animal in which modulation of LXR activity can prevent, inhibit or ameliorate the pathology and/or symptomatology of the disease, which method comprises administering to the animal a therapeutically effective amount of a compound of Claim 1.

Claim 7. (Withdrawn) The method of claim 6 wherein the diseases or disorder are selected from cardiovascular disease, diabetes, neurodegenerative diseases and inflammation.

Claim 8. (Cancelled).

Claim 9. (Withdrawn) A method for treating a disease or disorder in an animal in which modulation of LXR activity can prevent, inhibit or ameliorate the pathology and/or symptomatology of the disease, which method comprises administering to the animal a therapeutically effective amount of a compound of Claim 1.

Claim 10. (Withdrawn) The method of claim 9 further comprising administering a therapeutically effective amount of a compound of Claim 1 in combination with another therapeutically relevant agent.

Claim 11. (New) The compound of claim 1 selected from:

